

ABSTRACT

The large use of fossil fuels has led to an increase in carbon dioxide emissions that exacerbate the climate crisis. Therefore, the transition to renewable energy has become a key solution to reduce dependence on fossil energy and address climate change. In order to encourage increased consumption of renewable energy, it is important to understand the factors that influence it. Based on this description, this study aims to analyze the factors that affect renewable energy consumption.

Renewable energy consumption is the dependent variable in this study. While the independent variables include economic growth, population growth, and Foreign Direct Investment (FDI). This study uses panel data from 9 ASEAN countries for the period 2000-2021. The method used to analyze the effect of independent variables on the dependent variable is panel data regression with the Random Effect Model (REM).

The results showed that the economic growth variable has a positive and significant effect on renewable energy consumption in ASEAN. Meanwhile, population growth and Foreign Direct Investment (FDI) variables have a negative and significant effect on renewable energy consumption in ASEAN.

Keywords : Consumption, Economic Growth, Foreign Direct Investment, Population Growth, Renewable Energy.

